Neurobiology

Author Index to Volume 47

Allen, N. D.: see Isles, A. R.

Ambron, R. T.: see Sung, Y. J.

Azcoitia, I., Sierra, A., Veiga, S., Honda, S.-I., Harada, N., Garcia-Segura, L. M.: Brain Aromatase Is Neuroprotective,

Brunjes, P. C.: see Fiske, B. K.

Cai, H. N.: see Shen, P.

Cate, H. S.: see Harrison, P. J. H.

Cepok, S.: see Ferber, M.

Chadaram, S. R.: see Wang, H.

Chen, D.: see Wang, G. K.

Chen, M., Pugh, P. C., Margiotta, J. F.: Nicotinic Synapses Formed between Chick Ciliary Ganglion Neurons in Culture Resemble Those Present on the Neurons in Vivo, 265

Chen, Y.: see Wang, G. K.

Clark, J.: see Isles, A. R.

Collado, P.: see Holman, S.

Coulombe, J. N.: see Kos, K.

Cowen, T.: see Orike, N.

Cui, W.: see Isles, A. R.

Daood, M. J.: see Washabaugh, C. H.

Darlington, T. K.: see Wang, G. K.

Derby, C. D.: see Harrison, P. J. H.

De Vries, G. J.: see Wagner, C. K.

Drescher, U.: see Yamada, T.

Epstein, M. L.: see Focke, P. J.

Ferber, M., Hörner, M., Cepok, S., Gnatzy, W.: Digger Wasp versus Cricket: Mechanisms Underlying the Total Paralysis Caused by the Predator's Venom, 207

Fine, L.: see Kos, K.

Fiske, B. K., Brunjes, P. C.: NMDA Receptor Regulation of Cell Death in the Rat Olfactory Bulb, 223

Focke, P. J., Schiltz, C. A., Jones, S. E., Watters, J. J., Epstein, M. L.: Enteric Neuroblasts Require the Phosphatidylinositol 3-Kinase Pathway for GDNF-Stimulated Proliferation, 306

Furman, S.: see Kim, Y.-S.

Fu, W.: see Wang, G. K.

Garcia-Segura, L. M.: see Azcoitia, I. Getsios, S.: see Monks, D. A. Gnatzy, W.: see Ferber, M. Goldberg, J. I.: see Kuang, S.

Hall, J. C.: see Lee, G.

Handwerker, C.: see Yamada, T.

Harada, N.: see Azcoitia, I.

Harrison, P. J. H., Cate, H. S., Swanson, E. S., Derby, C. D.: Postembryonic Proliferation in the Spiny Lobster Antennular Epithelium: Rate of Genesis of Olfactory Receptor Neurons Is Dependent on Molt Stage, 51

Hickman, L. J.: see Wang, G. K.

Holman, S., Collado, P.: Postnatal Cell Proliferation and Death in a Lateralized, Gender-Related, Asymmetric Nucleus, 150

Honda, S.-I.: see Azcoitia, I.

Hörner, M.: see Ferber, M.

Huang, Z.: see Neckameyer, W.

Isles, A. R., Ma, D., Milsom, C., Skynner, M. J., Cui, W., Clark, J., Keverne, E. B., Allen, N. D.: Conditional Ablation of Neurones in Transgenic Mice, 183

Jones, S. E.: see Focke, P. J.

Kant, J. A.: see Washabaugh, C. H.

Kay, S. A .: see Wang, G. K.

Keverne, E. B.: see Isles, A. R. Kim, Y.-S., Furman, S., Sink, H., VanBerkum, M. F. A.: Calmodulin and Profilin Coregulate Axon Outgrowth in Dro-

Kitamoto, T.: Conditional Modification of Behavior in Drosophila by Targeted Expression of a Temperature-Sensitive shibire Allele in Defined Neurons, 81

Kos, K., Fine, L., Coulombe, J. N.: Activin Type II Receptors in Embryonic Dorsal Root Ganglion Neurons of the Chicken,

Kuang, S., Goldberg, J. I.: Laser Ablation Reveals Regulation of Ciliary Activity by Serotonergic Neurons in Molluscan Embryos, 1

Laskowski, M. B.: see Wang, H.

Lee, G., Villella, A., Taylor, B. J., Hall, J. C.: New Reproductive Anomalies in fruitless-Mutant Drosophila Males: Extreme Lengthening of Mating Durations and Infertility Correlated with Defective Serotonergic Innervation of Reproductive Organs, 121

MacCalman, C. D.: see Monks, D. A.

Ma, D.: see Isles, A. R.

Margiotta, J. F.: see Chen, M.

Merchenthaler, I. J.: see Wagner, C. K.

- Milsom, C.: see Isles, A. R.
- Monks, D. A., Getsios, S., MacCalman, C. D., Watson, N. V.: N-Cadherin Is Regulated by Gonadal Steroids in Adult Sexually Dimorphic Spinal Motoneurons, 255
- Naqvi, N. H.: see Vicario, D. S.
- Neckameyer, W., O'Donnell, J., Huang, Z., Stark, W.: Dopamine and Sensory Tissue Development in *Drosophila melanogaster*, 280
- Norton, A. S.: see Wang, H.
- O'Donnell, J.: see Neckameyer, W.
- Ohta, K.: see Yamada, T.
- Okafuji, T.: see Yamada, T.
- Ontell, M.: see Washabaugh, C. H.
- Ontell, M. P.: see Washabaugh, C. H.
- Orike, N., Thrasivoulou, C., Wrigley, A., Cowen, T.: Differential Regulation of Survival and Growth in Adult Sympathetic Neurons: An in Vitro Study of Neurotrophin Responsiveness. 295
- Ousley, A.: see Wang, G. K.
- Pfau, J. L.: see Wagner, C. K.
- Pons, S.: see Trejo, J. L.
- Povelones, M.: see Sung, Y. J.
- Pugh, P. C.: see Chen, M.
- Raksin, J. N.: see Vicario, D. S.
- Schiltz, C. A.: see Focke, P. J.
- Sehgal, A.: see Wang, G. K.
- Shen, P., Cai, H. N.: Drosophila Neuropeptide F Mediates Integration of Chemosensory Stimulation and Conditioning of the Nervous System by Food, 16
- Sierra. A.: see Azcoitia. I.
- Sink, H.: see Kim, Y.-S.
- Skynner, M. J.: see Isles, A. R.

- Stark, W.: see Neckameyer, W.
- Sung, Y. J., Povelones, M., Ambron, R. T.: RISK-1: A Novel MAPK Homologue in Axoplasm That Is Activated and Retrogradely Transported after Nerve Injury, 67
- Swanson, E. S.: see Harrison, P. J. H.
- Tanaka, H.: see Yamada, T.
- Taylor, B. J.: see Lee, G.
- Thrasivoulou, C.: see Orike, N.
- Trejo, J. L., Pons, S.: Phosphatidylinositol-3-OH Kinase Regulatory Subunits Are Differentially Expressed during Development of the Rat Cerebellum, 39
- VanBerkum, M. F. A.: see Kim, Y.-S.
- Veiga, S.: see Azcoitia, I.
- Vicario, D. S., Naqvi, N. H., Raksin, J. N.: Behavioral Discrimination of Sexually Dimorphic Calls by Male Zebra Finches Requires an Intact Vocal Motor Pathway, 109
- Villella, A.: see Lee, G.
- Wagner, C. K., Pfau, J. L., De Vries, G. J., Merchenthaler, I. J.: Sex Differences in Progesterone Receptor Immunoreactivity in Neonatal Mouse Brain Depend on Estrogen Receptor α Expression, 176
- Wang, G. K., Ousley, A., Darlington, T. K., Chen, D., Chen, Y., Fu, W., Hickman, L. J., Kay, S. A., Sehgal, A.: Fast Track. Regulation of the Cycling of timeless (tim) RNA, 161
- Wang, H., Chadaram, S. R., Norton, A. S., Laskowski, M. B.: Development of Inhibition by Ephrin-A5 on Outgrowth of Embryonic Spinal Motor Neurites, 233
- Washabaugh, C. H., Ontell, M. P., Kant, J. A., Daood, M. J., Watchko, J. F., Watkins, S. C., Ontell, M.: Effect of Chronic Denervation and Denervation-Reinnervation on Cytoplasmic Creatine Kinase Transcript Accumulation. 194
- Watchko, J. F.: see Washabaugh, C. H.
- Watkins, S. C.: see Washabaugh, C. H.
- Watson, N. V.: see Monks, D. A.
- Watters, J. J.: see Focke, P. J.
- Wrigley, A.: see Orike, N.
- Yamada, T., Okafuji, T., Ohta, K., Handwerker, C., Drescher, U., Tanaka, H.: Analysis of Ephrin-A2 in the Chick Retinotectal Projection Using a Function-Blocking Monoclonal Antibody, 245

Neurobiology

Subject Index to Volume 47

5HT, 121

Ablation, 183 Acetylcholine receptor, 265 ACh, 207 Activin, 93 Activin receptor, 93 Activity-dependent neural modification, 16 Akt. 306 Androgen, 318 Androgens, 255 Animal behavior, 161 Aplysia californica, 67 Apoptosis, 150 Aromatase, 318 Auditory processing, 109 Avian, 306 Axon guidance, 26 Axoplasm, 67

Behavior, 81 α-Bungarotoxin, 265 Brain creatine kinase mRNA, 194 Brain lesions, 109 Bromodeoxyuridine, 150

Axotomy, 67

Calcitonin gene related peptide, 93 Calmodulin, 26 C/EBPB, 67 Cell adhesion, 255 Cell culture, 93, 265 Cell death, 223 Cerebellar cortex, 39 Chicken embryo, 93 Cilia, 1 Circadian rhythm, 161 CK isozyme activity, 194 Competitive PCR, 194 Conditional, 183 α-Conotoxin-MII, 265 Copulation, 121 Courtship, 280 Crustacean, 51

Denervation, 194

Development, 51, 176, 233 Dorsal root ganglion, 93 Drosophila, 26, 81 Drosophila melanogaster, 121

Electroretinograms, 280 Eph family, 245 Eph kinases, 233 Ephrin-A5, 233 Escape behavior, 207 Estrogen, 318 Estrogens, 255

Food response, 16 fru Mutant combinations, 121 Function-blocking MAb, 245

GAL4/UAS system, 81 Gastropod, 1 Gene expression, 161 Gustation, 16

Identified neurons, 207 Imaginal discs, 280 Immunocytochemistry, 93 In situ hybridization, 93 Infertility, 121 Insulin-like growth factor 1 (IGF-1), 39 Insulin-like growth factor 1 receptor (IGF-IR), 39 Invertebrate, 51

Knock-out, 176

Laser ablation, 1 Lateralization, 150 Learning, 109 Lectin, 150 Lobster, 51 LY-294002, 306

Male internal sex organs, 121 MAP kinase, 306 MAPK, 67 Medial preoptic nucleus, 176
MEK, 306
Mianserin, 1
Microgliogenesis, 150
MK-801, 223
Molluscan development, 1
Molt, 51
Mongolian gerbils, 150
Motility, 26
Motor neurons, 233
Muscle creatine kinase mRNA, 194
Myosin heavy chain, 194

Neurite growth, 295 Neurites, 233 Neurodegeneration, 318 Neurogenesis, 51, 150 Neuronal, 255 Neuronal survival, 295 Neurone, 183 Neuropeptide F, 16 Neuroprotection, 318 Neurotrophin, 295 NMDA receptors, 223 NPY homolog, 16

Olfaction, 51 Olfactory, 183 Olfactory bulb, 223 Olfactory receptor neuron, 51

p50α, 39 p55α, 39 p55γ, 39 p85α, 39 Pars compacta, 150 Plasticity, 255 Profilin, 26 Proliferation, 51

Retinotectal projection, 245 RNA, 161

Sensorimotor integration, 109
Sensory deprivation, 223
Serotonergic processes of abdominal neurons, 121
Serotonin, 1

336 SUBJECT INDEX

Sexual dimorphism, 109 Sexually dimorphic area, 150 Shibire, 81 Spinal cord, 233, 255 Stripe assay, 245 Subtype, 265 Superior cervical ganglion, 295 Sympathetic, 295

Temperature-sensitive mutant, 81 Topographic projections, 245 Transcription, 67 Transgenes, 161 Transgenic, 183

Synaptic transmission, 207

Synapse, 265

Turnover, 51

Vasoactive intestinal polypeptide, 93

Ventromedial nucleus, 176

Visual development, 280

Transgenics, 280

Ventromedial nucleus, 176
Visual development, 280
Vocalization, 109
Voltage-activated currents, 207

